

Amendments to the Specification:

On page 1, after the title, please rewrite lines 5 to 13 as follows:

This application is a 371 of PCT/KR2003/001321 filed on July 4, 2003, published on March 18, 2004 under publication number WO 2004/021930 A1 which claims priority benefits from Korean patent application number KR 10-2002-0054323 filed September 9, 2002.

BACKGROUND OF THE INVENTION

1. ~~{Technical Field}~~ Field of the Invention

The present invention relates to an improved catheter apparatus for percutaneous coronary intervention (PCI), and more particularly to a catheter apparatus for PCI whereby a balloon catheter can be moved more accurately to place a balloon formed at the distal end of the balloon catheter and a stent mounted on the balloon in a position of a human coronary artery having a cardiovascular disease such as a stenotic lesion.

2. ~~{Background Art}~~ Description of the Related Art

On page 6, please rewrite the paragraph beginning at line 2 and continuing through line 7 as follows:

~~{Disclosure of the Invention}~~ SUMMARY OF THE INVENTION

~~In order to overcome the above problems, the object of the present invention is to provide~~
The present invention provides an improved catheter apparatus for PCI capable of accurately positioning the balloon and stent at the site of an obstructive coronary artery lesion in such a convenient way that the accuracy of the PCI treatment can be enhanced and the operation time can be reduced.

On page 7, please the paragraphs beginning at line 21 and continuing through page 8 ending at line 9 as follows:

[Brief Description of Drawings] BRIEF DESCRIPTION OF THE DRAWINGS

The above and other features and advantages of the present invention will become more apparent by describing in detail exemplary embodiments thereof with reference to the attached drawings in which:

FIG. 1A is an illustration of the PCI treatment using the conventional catheter apparatus including a guidewire, a balloon catheter, etc. ;

FIGS. 1B and 1C are illustrations of the conventional catheter apparatus for PCI including the balloon catheter shown in FIG. 1A[.] ;

FIG. 1D shows the stent mounted on the balloon formed at the distal end of the balloon catheter, the stent being inserted into the coronary artery by means of the balloon catheter[.] ;

FIGS. 2A through 2D are the sequential illustrations of PCI treatment for the stenotic lesion D occurring in the coronary artery CA of the patient P, using the balloon catheter 5 and the stent 8[.] ;

FIG. 3 shows a catheter apparatus for PCI capable of accurately positioning stent and balloon in a desired position according to a first embodiment of the present invention[.] ;

FIG. 4 is a side view of the catheter apparatus of FIG. 3, and FIG. 5 is a longitudinal cross-sectional view of the catheter apparatus of FIG. 3[.] ;

FIG. 6 shows a catheter apparatus for PCI capable of accurately positioning stent and balloon in a desired position according to a second embodiment of the present invention[.] ;

FIG. 7 is an illustration of the catheter apparatus of FIG. 6, with the parts of the balloon catheter disassembled, and FIG. 8 is a perspective view of the catheter apparatus of FIG. 7, excluding the minute adjustment nut 193 therefrom[.] ; and

On page 8, please rewrite line 14 as follows:

~~[Best Mode for Carrying out the Invention]~~ DETAILED DESCRIPTION OF THE INVENTION

On page 12, please rewrite the paragraph beginning at line 33 and continuing through page 13 ending at line 5 as follows:

However, it is also possible to make variations in the configuration of the of the first and second bolts 195 and 196 as stated above so that the first and second bolts do not rotate with respect to each other in spite of the rotation of the minute adjustment nut 193.

According to the catheter apparatus for PCI provided by the present invention, the physician can minutely and conveniently adjust the insertion position of the balloon catheter by rotating a control handle (i.e. the rotating cylinder or minute adjustment nut) little by little while watching the X-ray fluoroscope so that PCI treatment requiring high precision and accuracy in placing the balloon and stent in the exact position of stenotic lesion can be performed successfully, performed successfully, thereby reducing the operation time.

On page 13, after line 12, please add the following paragraph:

While the present invention has been particularly shown and described with reference to exemplary embodiments thereof, it will be understood by those of ordinary skill in the art that various changes in form and details may be made therein without departing from the spirit and scope of the present invention as defined by the following claims.